

ABSTRACT

A method and apparatus for modeling disease transitions in individuals includes the steps of identifying a population of individuals and defining a disease transition they could undergo. One or more variables are defined that represent medical information collected from these individuals. These variables are considered candidate variables that operate to predict the disease transition to varying degrees of accuracy. A logistic regression technique, along with information stored in an electronic database, are used to determine the degree of accuracy to which each candidate variable predicts the disease transition for the population of individuals. Certain candidate variables are then chosen according to how accurately they predict the disease transition. This set of chosen variables is then used to form a mathematical model, which in turn is used to predict this disease transition for that population of individuals.

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